

Storm Data and Unusual Weather Phenomena - August 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
HANCOCK COUNTY --- 2.1 E FOUNTAIN GREEN [40.48, -90.93]				
	08/04/09 03:35 CST		0	Hail (1.25 in)
	08/04/09 03:35 CST		0	Source: Trained Spotter
Half dollar-sized hail fell about 2 miles east of Fountain Green, IL around 435 am August 4.				
HANCOCK COUNTY --- 2.3 NNE HAMILTON [40.43, -91.33]				
	08/04/09 06:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/04/09 06:00 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed about 2 miles north northeast of Hamilton, IL around 700 am August 4.				
MCDONOUGH COUNTY --- 2.5 E DODDSVILLE [40.28, -90.60]				
	08/04/09 06:30 CST		25K	Thunderstorm Wind (EG 56 kt)
	08/04/09 06:30 CST		0	Source: Law Enforcement
Wind gusts estimated to be 65 mph blew a barn down about 3 miles south of Industry, IL around 730 am August 4. The farmstead was located on Highway 67 near the McDonough/Schuyler county line.				
WARREN COUNTY --- KIRKWOOD [40.87, -90.75]				
	08/04/09 06:59 CST		0	Thunderstorm Wind (EG 52 kt)
	08/04/09 06:59 CST		0	Source: Trained Spotter
Wind gusts estimated to be 55 to 60 mph were observed in Kirkwood, IL around 759 am August 4.				
Showers and thunderstorms moved across areas south of Highway 34 during the early morning hours of August 4 as a cold front dropped southward into northern Missouri and central Illinois. Some of the storms were severe, producing wind gusts over 58 mph and hail up to one and a quarter inches in diameter. Some localized heavy rains were also observed. Otherwise, muggy conditions prevailed across the area with some patchy areas of dense fog with visibilities under a quarter mile. Low temperatures ranged from the middle 50s near Dubuque to the lower 70s south of Highway 34.				
HENRY COUNTY --- 0.5 E GALVA [41.17, -90.04]				
	08/07/09 11:14 CST		5K	Lightning
	08/07/09 11:14 CST		0	Source: Trained Spotter
Lightning struck a transformer in Galva, IL around 1214 pm August 7. A power outage was observed on the southeast side of town.				
Lightning struck a transformer in Galva, IL around 1214 pm August 7. A power outage was observed on the southeast side of town.				
JO DAVIESS COUNTY --- APPLE RIVER [42.50, -90.10]				
	08/09/09 12:52 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/09 12:52 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down several 10 to 12 inch diameter tree limbs in Apple River, IL around 152 pm August 9.				
JO DAVIESS COUNTY --- 4.1 WNW COUNCIL HILL STATION [42.50, -90.40], 2.5 W APPLE RIVER [42.50, -90.15], 1.4 N WOODBINE [42.35, -90.15], 1.0 E AIKEN [42.35, -90.40]				
	08/09/09 13:15 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/09/09 18:00 CST		0	Source: COOP Observer
Heavy rains caused some flash flooding in parts of Jo Daviess County during the afternoon and evening of August 9. Some roads and culverts near Scales Mound, IL were washed out and Small Pox Creek flooded out of its banks forcing the closure of several roads.				
WARREN COUNTY --- 0.7 S LITTLE YORK [41.01, -90.75]				
	08/09/09 19:33 CST		0	Thunderstorm Wind (EG 52 kt)
	08/09/09 19:33 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some tree limbs in Little York, IL around 833 pm August 9.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HENDERSON COUNTY --- 2.2 WSW ROZETTA [40.94, -90.91]				
	08/09/09 19:45 CST		0	Thunderstorm Wind (EG 52 kt)
	08/09/09 19:45 CST		0	Source: Emergency Manager
Wind gusts estimated to be 60 mph blew down some trees about 2 miles east of Oquawka, IL around 845 pm August 9.				
HENDERSON COUNTY --- 2.3 SSW BALD BLUFF [40.99, -90.87]				
	08/09/09 20:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/09/09 20:00 CST		0	Source: Trained Spotter
Wind gusts estimated to be 50 to 60 mph were observed about 5 miles northeast of Oquawka, IL around 900 pm August 9.				
WARREN COUNTY --- 3.7 NNW LITTLE YORK [41.07, -90.78], 1.2 N SHAW [41.07, -90.63], 1.4 S MONMOUTH [40.90, -90.63], 2.8 NW KIRKWOOD [40.90, -90.78]				
	08/09/09 20:03 CST		0	Flash Flood (due to Heavy Rain)
	08/09/09 22:00 CST		0	Source: Trained Spotter
Heavy rains resulted in some flash flooding of parts of Warren County during the late evening of August 9. Flood waters covered several roads in the vicinity of Little York, IL. Flood waters were 1 to 1.5 feet deep over a portion of Route 135 about 1.5 miles south of Little York, IL.				
HENDERSON COUNTY --- 1.3 WSW BIG RIVER ST FOREST [41.02, -90.94], 2.6 E BALD BLUFF [41.02, -90.80], 3.7 E BIGGSVILLE [40.85, -90.80], 2.3 NNE GULFPORT [40.85, -91.06]				
	08/09/09 20:52 CST		0	Flash Flood (due to Heavy Rain)
	08/09/09 22:52 CST		0	Source: Trained Spotter
Heavy rains resulted in some flash flooding of parts of Henderson County during the late evening of August 9. Parts of Highways 94 and 164 were under water in the Oquawka, IL area.				
JO DAVIESS COUNTY --- 1.5 W COUNCIL HILL [42.45, -90.35], 2.1 SSW SCALES MOUND [42.45, -90.26], 2.5 SE GUILFORD [42.40, -90.26], 2.9 WSW GUILFORD [42.40, -90.35]				
	08/09/09 21:45 CST		0	Flash Flood (due to Heavy Rain)
	08/09/09 23:45 CST		0	Source: Trained Spotter
Heavy rains resulted in flash flooding of some roads in the vicinity of Guilford, IL during the late evening of August 9.				
<p>A cold front stretching across the upper Midwest, coupled with warm moist air streaming northward across the area, brought scattered showers and isolated thunderstorms to portions of east central Iowa and northern Illinois during the midday hours August 9. Some locations along the Highway 20 corridor saw rainfall amounts ranging from 1 to 2 inches from these storms. Afternoon high temperatures were in the upper 80s to lower 90s.</p> <p>By late afternoon, showers and thunderstorms began to redevelop along the cold front in western Iowa and spread eastward into the Mid-Mississippi Valley.</p> <p>During the evening hours, these storms brought widespread rain to the Mid-Mississippi Valley. In addition, several of these storms became severe over eastern Iowa producing winds gusts from 50 to 80 mph around the Cedar Rapids Area.</p>				
MCDONOUGH COUNTY --- 1.8 W SCOTTSBURG [40.55, -90.61]				
	08/19/09 13:26 CST		0	Thunderstorm Wind (EG 52 kt)
	08/19/09 13:26 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some 2 to 3 inch diameter tree branches on Route 9 about 3 miles east of Good Hope, IL around 226 pm August 19.				
HENRY COUNTY --- 3.3 WSW GREEN ROCK [41.45, -90.43], 1.0 S GREEN ROCK [41.45, -90.37], 0.6 ESE WARNER [41.41, -90.37], 1.0 N SUNNY HILL [41.41, -90.43]				
	08/19/09 15:00 CST		2.50K	Flash Flood (due to Heavy Rain)
	08/19/09 16:00 CST		0	Source: Trained Spotter
Heavy rain resulted in flash flooding just northwest of Warner, IL during the late afternoon of August 19. Rainfall totals of 2 to 3 inches fell in about a 30 minute period between 3 and 4 pm. Flooding was observed in the basement of a residence.				
Late morning and early afternoon sunshine was the fuel for a couple rounds of showers and thunderstorms across the region August 19. The storms brought heavy rain to most areas, with rainfall amounts between a half inch and and inch and a half common. In addition,				

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tornadoes were reported from central Illinois all the way up to the Twin Cities. With all of the cloud cover during the afternoon, high temperatures only topped out in the upper 70s to lower 80s.				
HANCOCK COUNTY --- 1.3 WNW NIOTA [40.63, -91.30], 2.6 NE DALLAS CITY [40.66, -91.14], 1.7 ESE DALLAS CITY [40.62, -91.14], 2.3 SSW NIOTA [40.59, -91.30]				
	08/27/09 20:15 CST		0	Flash Flood (due to Heavy Rain)
	08/27/09 23:00 CST		0	Source: Law Enforcement

Heavy rains resulted in flash flooding between Dallas City, IL and Niota, IL during the late evening of August 27. At 1016 pm, the flood waters were covering Highway 9 between Niota and Dallas City. Prior to that time, flood waters in the area were deep enough to float a car.

Cloudy skies along with scattered showers and thunderstorms continued across much of the area August 27. Heavy rains resulted in flash flooding in parts of west central Illinois.

IOWA, East Central and Southeast

(IA-Z052) LINN				
	08/03/09 04:28 CST		5K	High Wind (MAX 53 kt)
	08/03/09 04:32 CST		0	

A heat burst struck parts of Cedar Rapids, IA between 528 am and 532 am August 3. A 61 mph wind gust was measured in downtown Cedar Rapids, while estimated wind gusts ranged from 60 mph to over 70 mph. The temperature spiked up to 84 degrees at the KCRG Studios while just south southeast of Cedar Rapids the temperature was observed to have shot up to 77 degrees. Temperatures were in the upper 60s to around 70 prior to the heat burst. Numerous trees and branches were blown down in the vicinity with power outages observed on the northwest and southwest sides of the city.

LEE COUNTY --- 0.5 W FT MADISON [40.63, -91.33]				
	08/04/09 06:15 CST		0	Thunderstorm Wind (EG 56 kt)
	08/04/09 06:15 CST		0	Source: Trained Spotter

Wind gusts estimated to be 65 mph blew down some 5 to 6 inch diameter tree limbs about 1 mile northeast of Fort Madison, IA around 715 am August 4.

LEE COUNTY --- 1.3 ESE DENMARK [40.72, -91.31]				
	08/04/09 06:24 CST		0	Thunderstorm Wind (EG 52 kt)
	08/04/09 06:24 CST		0	Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed about 4 miles west of Wever, IA around 724 am August 4.

DES MOINES COUNTY --- 1.5 WSW BURLINGTON [40.81, -91.11]				
	08/04/09 06:35 CST		1K	Thunderstorm Wind (EG 56 kt)
	08/04/09 06:35 CST		0	Source: Trained Spotter

Wind gusts estimated to be 65 mph blew down an electric pole at N 6th Street and Washington Street in Burlington, IA around 735 am August 4.

DES MOINES COUNTY --- 1.5 SSE LENOX PARK [40.81, -91.12]				
	08/04/09 07:00 CST		0	Thunderstorm Wind (EG 56 kt)
	08/04/09 07:00 CST		0	Source: Emergency Manager

Wind gusts estimated to be 65 mph blew down a 5 to 6 inch diameter tree limb in Burlington, IA around 800 am August 4.

Showers and thunderstorms moved across areas south of Highway 34 during the early morning hours of August 4 as a cold front dropped southward into northern Missouri and central Illinois. Some of the storms were severe, producing wind gusts over 58 mph and hail up to one and a quarter inches in diameter. Some localized heavy rains were also observed. Otherwise, muggy conditions prevailed across the area with some patchy areas of dense fog with visibilities under a quarter mile. Low temperatures ranged from the middle 50s near Dubuque to the lower 70s south of Highway 34.

SCOTT COUNTY --- 1.2 NNW DAVENPORT [41.55, -90.59], 1.2 NNE DAVENPORT [41.55, -90.57], 0.5 ENE DAVENPORT [41.53, -90.57], 0.7 WNW DAVENPORT [41.53, -90.59]				
	08/07/09 11:51 CST		0	Flash Flood (due to Heavy Rain)
	08/07/09 13:00 CST		0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy rains resulted in minor flash flooding of some streets and parking lots in Davenport, IA during the early afternoon of August 7. Locust Street was reduced to one lane due to the flood waters. In addition, water flooded a nearby St Ambrose University parking lot.				
Heavy rains resulted in minor flash flooding of some streets and parking lots in Davenport, IA during the early afternoon of August 7. Locust Street was reduced to one lane due to the flood waters. In addition, water flooded a nearby St Ambrose University parking lot.				

BUCHANAN COUNTY --- 3.6 W ROWLEY [42.37, -91.90]

08/09/09 10:55 CST	5K	Thunderstorm Wind (EG 65 kt)
08/09/09 10:55 CST	0	Source: Trained Spotter

Wind gusts estimated to be 75 mph snapped off some mature 2 foot diameter trees and blew down some power lines about 3 miles west of Rowley, IA around 1155 am August 9.

BUCHANAN COUNTY --- 0.9 SW ROWLEY [42.37, -91.84]

08/09/09 11:00 CST	0.15M	Thunderstorm Wind (EG 65 kt)
08/09/09 11:00 CST	0	Source: Amateur Radio

Wind gusts estimated to be 75 mph blew down some two foot diameter trees and several 8 to 12 inch diameter tree limbs, ripped about 10 roofs off of some farm buildings, and blew down power lines in the vicinity of Rowley, IA around 1200 pm August 9. A power outage was also observed.

BUCHANAN COUNTY --- 2.6 WSW ROWLEY [42.37, -91.88]

08/09/09 11:00 CST	0.10M	Thunderstorm Wind (EG 65 kt)
08/09/09 11:00 CST	0	Source: Trained Spotter

Wind gusts estimated to be 75 mph damaged the roof of a barn, caused damage at an implement dealer, and blew down some large tree limbs about 2 miles west of Rowley, IA around 1200 pm August 9.

BUCHANAN COUNTY --- 0.5 W INDEPENDENCE [42.47, -91.89]

08/09/09 11:02 CST	0	Hail (1.50 in)
08/09/09 11:02 CST	0	Source: COOP Observer

Ping pong ball-sized hail fell in Independence, IA around 1202 pm August 9.

BUCHANAN COUNTY --- 0.5 W INDEPENDENCE [42.47, -91.89]

08/09/09 11:02 CST	0	Thunderstorm Wind (EG 61 kt)
08/09/09 11:02 CST	0	Source: COOP Observer

Wind gusts estimated to be 70 mph were observed in and south of Independence, IA around 1202 pm August 9.

BUCHANAN COUNTY --- 1.1 WNW THREE ELMS CO PARK [42.46, -91.89]

08/09/09 11:02 CST	0	Hail (1.75 in)
08/09/09 11:02 CST	0	Source: Emergency Manager

Golf ball-sized hail fell just south of Independence, IA around 1202 pm August 9.

BUCHANAN COUNTY --- 1.1 WNW THREE ELMS CO PARK [42.46, -91.89]

08/09/09 11:02 CST	0	Thunderstorm Wind (EG 61 kt)
08/09/09 11:02 CST	0	Source: Emergency Manager

Wind gusts estimated to be 70 mph were observed just south of Independence, IA around 1202 pm August 9.

BUCHANAN COUNTY --- 0.9 SW ROWLEY [42.37, -91.84]

08/09/09 11:05 CST	0	Hail (1.75 in)
08/09/09 11:05 CST	0	Source: Emergency Manager

Golf ball-sized hail fell in Rowley, IA around 1205 pm August 9.

DELAWARE COUNTY --- 2.1 SSW MASONVILLE [42.45, -91.59]

08/09/09 11:25 CST	0	Hail (1.00 in)
08/09/09 11:25 CST	0	Source: Emergency Manager

Quarter-sized hail fell about 2 miles south of Masonville, IA around 1225 pm August 9.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DELAWARE COUNTY --- 0.9 NW MANCHESTER [42.49, -91.46]				
	08/09/09 11:30 CST		0	Hail (0.75 in)
	08/09/09 11:30 CST		0	Source: Trained Spotter
DELAWARE COUNTY --- DELHI [42.43, -91.33]				
	08/09/09 11:35 CST		0	Thunderstorm Wind (EG 61 kt)
	08/09/09 11:35 CST		0	Source: Fire Department/Rescue
Wind gusts estimated to be 70 mph were observed in Delhi, IA near Lake Delhi around 1235 pm August 9. This report was relayed by Delaware County.				
DELAWARE COUNTY --- 2.8 S MANCHESTER [42.44, -91.46]				
	08/09/09 11:36 CST		0	Hail (1.00 in)
	08/09/09 11:36 CST		0	Source: Emergency Manager
Quarter-sized hail fell about 3 miles south of Manchester, IA around 1236 pm August 9.				
DELAWARE COUNTY --- 2.8 S MANCHESTER [42.44, -91.46]				
	08/09/09 11:36 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/09 11:36 CST		0	Source: Emergency Manager
Wind gusts estimated to be 65 mph were observed about 3 miles south of Manchester, IA around 1236 pm August 9.				
DUBUQUE COUNTY --- DYERSVILLE [42.48, -91.12]				
	08/09/09 11:49 CST		0	Hail (0.75 in)
	08/09/09 11:49 CST		0	Source: Emergency Manager
DUBUQUE COUNTY --- DYERSVILLE [42.48, -91.12]				
	08/09/09 11:50 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/09 11:50 CST		0	Source: Emergency Manager
Wind gusts estimated to be 65 mph were observed in Dyersville, IA around 1250 pm August 9.				
DUBUQUE COUNTY --- EPWORTH [42.45, -90.93]				
	08/09/09 12:00 CST		50K	Thunderstorm Wind (EG 61 kt)
	08/09/09 12:00 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph overturned a mobile home and uprooted several large trees in Epworth, IA around 100 pm August 9.				
DUBUQUE COUNTY --- EPWORTH [42.45, -90.93]				
	08/09/09 12:01 CST		0	Hail (1.75 in)
	08/09/09 12:01 CST		0	Source: Law Enforcement
Golf ball-sized hail fell in Epworth, IA around 101 pm August 9.				
DUBUQUE COUNTY --- 1.5 SSE ASBURY [42.50, -90.74]				
	08/09/09 12:15 CST		0	Thunderstorm Wind (EG 52 kt)
	08/09/09 12:15 CST		0	Source: Trained Spotter
Wind gusts estimated to be 50 to 60 mph were observed about 2 miles west of Dubuque, IA around 115 pm August 9.				
DUBUQUE COUNTY --- (DBQ)DUBUQUE MUNI AR [42.40, -90.72]				
	08/09/09 12:18 CST		0	Thunderstorm Wind (MG 58 kt)
	08/09/09 12:18 CST		0	Source: ASOS
A 67 mph wind gusts was measured by the ASOS at the Dubuque Regional Airport around 118 pm August 9.				
BENTON COUNTY --- 0.5 E BELLE PLAINE [41.90, -92.27]				
	08/09/09 12:59 CST		0	Hail (0.75 in)
	08/09/09 12:59 CST		0	Source: Trained Spotter

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DELAWARE COUNTY --- RYAN [42.35, -91.48]				
	08/09/09 13:15 CST		0	Thunderstorm Wind (MG 52 kt)
	08/09/09 13:15 CST		0	Source: Emergency Manager
A 60 mph wind gust was measured in Ryan, IA around 215 pm August 9.				
DUBUQUE COUNTY --- 0.9 SW PEOSTA [42.44, -90.86]				
	08/09/09 13:55 CST		0	Hail (0.88 in)
	08/09/09 13:55 CST		0	Source: Trained Spotter
DUBUQUE COUNTY --- 0.9 SW PEOSTA [42.44, -90.86]				
	08/09/09 13:55 CST		0	Thunderstorm Wind (EG 52 kt)
	08/09/09 13:55 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph flattened some corn about 1 mile southwest of Peosta, IA around 255 pm August 9.				
BENTON COUNTY --- 0.5 E BELLE PLAINE [41.90, -92.27]				
	08/09/09 18:16 CST		1K	Thunderstorm Wind (EG 52 kt)
	08/09/09 18:16 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew a trampoline away in Belle Plaine, IA around 716 pm August 9.				
IOWA COUNTY --- 0.5 E VICTOR [41.73, -92.29]				
	08/09/09 18:17 CST		0	Thunderstorm Wind (EG 61 kt)
	08/09/09 18:17 CST		0	Source: Public
Wind gusts estimated to be 70 mph were observed in Victor, IA around 717 pm August 9. This report was relayed by KCRG in Cedar Rapids.				
BENTON COUNTY --- KEYSTONE [42.00, -92.20]				
	08/09/09 18:23 CST		0	Thunderstorm Wind (EG 61 kt)
	08/09/09 18:23 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph blew down some trees and tree limbs in Keystone, IA around 723 pm August 9.				
IOWA COUNTY --- 0.5 E VICTOR [41.73, -92.29]				
	08/09/09 18:31 CST		5K	Thunderstorm Wind (EG 61 kt)
	08/09/09 18:31 CST		0	Source: Law Enforcement
Wind gusts estimated to be 70 mph blew down trees limbs and power lines in the vicinity of Victor, IA around 731 pm August 9.				
BENTON COUNTY --- 0.9 SW VAN HORNE [42.01, -92.09]				
	08/09/09 18:34 CST		0	Thunderstorm Wind (MG 61 kt)
	08/09/09 18:34 CST		0	Source: Emergency Manager
A 70 mph wind gust was measured in Van Horne, IA around 734 pm August 9.				
BENTON COUNTY --- 2.7 WSW NEWHALL [41.96, -92.03]				
	08/09/09 18:35 CST		0	Thunderstorm Wind (EG 65 kt)
	08/09/09 18:35 CST		0	Source: Trained Spotter
Wind gusts estimated to be 75 mph snapped a 4 to 5 foot diameter oak tree off at the base near the intersection of Highway 30 and Highway 218 about 4 miles west southwest of New Hall, IA around 735 pm August 9.				
BENTON COUNTY --- 4.1 SSW VAN HORNE [41.96, -92.10]				
	08/09/09 18:35 CST		0.10M	Thunderstorm Wind (EG 61 kt)
	08/09/09 18:35 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew a 2 to 2.5 foot diameter tree down onto a house at the intersection of Highway 30 and 20th Avenue about 3 miles south southwest of Van Horne, IA around 735 pm August 9.				
BENTON COUNTY --- 0.5 W NORWAY [41.90, -91.93]				

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	08/09/09 18:38 CST		0	Thunderstorm Wind (EG 61 kt)
	08/09/09 18:38 CST		0	Source: Trained Spotter

Wind gusts estimated to be 70 mph were observed in Norway, IA around 738 pm August 9.

BENTON COUNTY --- KEYSTONE [42.00, -92.20]

08/09/09 18:40 CST	0	Thunderstorm Wind (EG 78 kt)
08/09/09 18:40 CST	0	Source: Fire Department/Rescue

Wind gusts estimated to be 90 mph were observed in Keystone, IA around 740 pm August 9. This report was relayed by the emergency manager.

BENTON COUNTY --- 3.3 SE KEYSTONE [41.97, -92.15]

08/09/09 18:45 CST	50K	Thunderstorm Wind (EG 70 kt)
08/09/09 18:45 CST	0	Source: Trained Spotter

Wind gusts estimated to be 80 mph blew down several 1.5 foot diameter trees and 3 to 6 inch diameter tree limbs, moved and overturned some grain wagons about 100 yards, blew away some mail boxes, and ripped the doors off a house and barn about 4 miles southwest of Van Horne, IA around 745 pm August 9.

BENTON COUNTY --- 0.5 W NORWAY [41.90, -91.93]

08/09/09 18:47 CST	0	Thunderstorm Wind (MG 74 kt)
08/09/09 18:47 CST	0	Source: Trained Spotter

An 85 mph wind gust was measured in Norway, IA around 747 pm August 9.

BENTON COUNTY --- 2.2 WNW VAN HORNE [42.03, -92.12]

08/09/09 18:51 CST	0	Thunderstorm Wind (MG 50 kt)
08/09/09 18:51 CST	0	Source: Trained Spotter

A 58 mph wind gust was measured about 2 miles northwest of Van Horne, IA around 751 pm August 9.

LINN COUNTY --- 3.5 S CEDAR RAPIDS [41.95, -91.66]

08/09/09 18:58 CST	0	Thunderstorm Wind (EG 52 kt)
08/09/09 18:58 CST	0	Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed about 1 mile south southeast of Cedar Rapids, IA around 758 pm August 9.

JOHNSON COUNTY --- 3.2 WSW KENT COUNTY PARK [41.72, -91.79]

08/09/09 19:05 CST	0	Thunderstorm Wind (EG 52 kt)
08/09/09 19:05 CST	0	Source: Law Enforcement

Wind gusts estimated to be 50 to 60 mph were observed in Oxford, IA around 805 pm August 9.

LINN COUNTY --- CEDAR RAPIDS ARPT [41.88, -91.72]

08/09/09 19:09 CST	0	Thunderstorm Wind (MG 55 kt)
08/09/09 19:09 CST	0	Source: ASOS

A 63 mph wind gust was measured by the ASOS at the Cedar Rapids Airport at 809 pm August 9.

LINN COUNTY --- CEDAR RAPIDS ARPT [41.88, -91.72]

08/09/09 19:16 CST	0	Thunderstorm Wind (MG 58 kt)
08/09/09 19:16 CST	0	Source: ASOS

A 67 mph wind gust was measured by the ASOS at the Cedar Rapids Airport at 816 pm August 9.

LINN COUNTY --- 3.5 S CEDAR RAPIDS [41.95, -91.66]

08/09/09 19:20 CST	0	Thunderstorm Wind (EG 52 kt)
08/09/09 19:20 CST	0	Source: Trained Spotter

A 60 mph wind gust was measured about 1 mile south southeast of Cedar Rapids, IA around 820 pm August 9.

LINN COUNTY --- 2.8 S CEDAR RAPIDS [41.96, -91.66]

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	08/09/09 19:24 CST		0	Thunderstorm Wind (EG 61 kt)
	08/09/09 19:24 CST		0	Source: Trained Spotter

Wind gusts estimated to be 70 mph were observed about 1 mile southeast of Cedar Rapids, IA around 824 pm August 9.

A cold front stretching across the upper Midwest, coupled with warm moist air streaming northward across the area, brought scattered showers and isolated thunderstorms to portions of east central Iowa and northern Illinois during the midday hours August 9. Some locations along the Highway 20 corridor saw rainfall amounts ranging from 1 to 2 inches from these storms. Afternoon high temperatures were in the upper 80s to lower 90s.

By late afternoon, showers and thunderstorms began to redevelop along the cold front in western Iowa and spread eastward into the Mid-Mississippi Valley.

During the evening hours, these storms brought widespread rain to the Mid-Mississippi Valley. In addition, several of these storms became severe over eastern Iowa producing winds gusts from 50 to 80 mph around the Cedar Rapids Area.

DES MOINES COUNTY --- 0.3 SE MIDDLETOWN [40.83, -91.26]

08/19/09 12:50 CST	50K	Thunderstorm Wind (EG 61 kt)
08/19/09 12:50 CST	0	Source: Newspaper

Wind gusts estimated to be 70 mph damaged a farmstead near Middletown, IA around 150 pm August 19. A truck top lofted by the winds partially punctured a wall. Also, the residence sustained roof damage and some of the crops were flattened. This report was relayed by the Burlington Hawkeye.

BUCHANAN COUNTY --- 2.5 S STANLEY [42.61, -91.82], 2.1 ESE STANLEY [42.63, -91.79]

08/19/09 15:30 CST	75K	Tornado (EF1, L: 2.20 mi , W: 100 yd)
08/19/09 15:45 CST	0	Source: Emergency Manager

An EF1 tornado touched down about 2.5 miles south of Stanley, IA around 430 pm August 19. It tracked to the northeast for about 2.2 miles before lifting about 2.1 miles east southeast of Stanley, IA around 445 pm. Wind speeds were estimated to be around 95 mph. Two farmsteads sustained damage. Two hog confinements were damaged. A residence lost most of its roof. A silo was damaged. The back wall of a pole building was blown out and trees were blown down.

JONES COUNTY --- 0.7 ENE MARTELLE [42.02, -91.36], 0.7 ENE MARTELLE [42.02, -91.36]

08/19/09 16:20 CST	5K	Tornado (EF0, L: 0.05 mi , W: 50 yd)
08/19/09 16:21 CST	0	Source: NWS Storm Survey

An EF0 tornado touched down on the north end of Martelle, IA around 520 pm August 19. Wind speeds were estimated to be around 80 mph. The tornado snapped and uprooted some trees in the area. In addition, the west side of a storage building was damaged and portions of a corn field were flattened. It was also noted that some glass and dirt was splattered on the east side of a building.

JONES COUNTY --- 2.7 ENE MARTELLE [42.03, -91.32], 2.8 ENE MARTELLE [42.03, -91.32]

08/19/09 16:23 CST	50K	Thunderstorm Wind (EG 109 kt)
08/19/09 16:23 CST	0	Source: Emergency Manager

Wind gusts estimated to be 90 to 125 mph associated with a downburst damaged a farmstead on 70th Street about 1.5 miles east of Highway 1 or about 2.75 miles east northeast of Martelle, IA around 523 pm August 19. An old barn and a corn crib were destroyed and some large limbs of an old tree were broken off. Portions of the corn crib roof were scattered to the east.

Late morning and early afternoon sunshine was the fuel for a couple rounds of showers and thunderstorms across the region August 19. The storms brought heavy rain to most areas, with rainfall amounts between a half inch and and inch and a half common. In addition, tornadoes were reported from central Illinois all the way up to the Twin Cities. This included touchdowns near Stanley and Martelle, IA. With all of the cloud cover during the afternoon, high temperatures only topped out in the upper 70s to lower 80s.

LINN COUNTY --- 3.0 NW HIAWATHA [42.06, -91.72], 3.0 NE HIAWATHA [42.06, -91.64], 3.0 SE HIAWATHA [42.00, -91.64], 3.0 SW HIAWATHA [42.00, -91.72]

08/26/09 00:30 CST	0	Flash Flood (due to Heavy Rain)
08/26/09 02:30 CST	0	Source: Law Enforcement

Heavy rains resulted in flash flooding of the Hiawatha Road in Hiawatha, IA during the early morning hours of August 26. Six to eight inches of water was covering the road.

MUSCATINE COUNTY --- 1.6 SW PLEASANT PRAIRIE [41.50, -90.90], 1.6 WSW FRUITLAND [41.34, -91.16], 4.0 NNE ARDON [41.45, -91.16], 4.7 W SWEETLAND CENTER [41.50, -91.07]

Storm Data and Unusual Weather Phenomena - August 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/26/09 10:15 CST		0	Flash Flood (due to Heavy Rain)
	08/26/09 14:15 CST		0	Source: Trained Spotter

Heavy rains resulted in flash flooding of several roads, including Park Avenue, in Muscatine, IA during the late morning and afternoon hours of August 26. Mad creek rose out of its banks.

CLINTON COUNTY --- 3.2 SSW WELTON [41.86, -90.63], 2.6 NE CLINTON [41.86, -90.17], 1.7 ESE WEST CLINTON [41.81, -90.17], 3.5 S LOW MOOR [41.77, -90.27], 4.0 SSE GRAND MOUND [41.77, -90.63]

08/26/09 10:57 CST	0	Flash Flood (due to Heavy Rain)
08/26/09 16:00 CST	0	Source: Trained Spotter

Heavy rains resulted in flash flooding in the Clinton, IA and De Witt, IA during the late morning and afternoon hours of August 26. In Clinton, six to eight inches of water was covering Highway 30 at Camanche Avenue for a time. On the northeast side of De Witt, flooding was observed on 11th Street. The flood waters were several inches deep around 130 pm. Several roads were closed. Near Old Highway 30, Silver Creek flooded out of its banks during the late afternoon and early evening.

WASHINGTON COUNTY --- 1.4 SW CLAY [41.16, -91.95], 2.1 N RUBIO [41.25, -91.95], 4.9 WSW WASHINGTON ARPT [41.25, -91.77], 2.9 ESE BRIGHTON [41.16, -91.77]

08/26/09 11:15 CST	10K	Flash Flood (due to Heavy Rain)
08/26/09 14:00 CST	0	Source: COOP Observer

Heavy rains resulted in flash flooding of several city streets and county roads in the southwestern part of Washington County during the afternoon and early evening of August 26. Several streets in Brighton, IA were flooded with the water at least 6 inches deep. Some residences in Brighton experienced flooding in their basements. In the Rubio, IA vicinity, several county roads were inundated with water. County officials also contributed to this report.

A stationary front draped across the region continued to bring cloudy skies, along with scattered showers and isolated thunderstorms to the Mid-Mississippi Valley August 26. Rainfall totals ranged from three quarters of an inch up to 5 inches or more in some locations. The torrential rainfall totals lead to some flash flooding across parts of the area.

CLINTON COUNTY --- 3.6 NNW TORONTO [41.95, -90.90], 4.1 E FOLLETT [41.75, -90.30], 0.5 E CAMANCHE [41.67, -90.34], 4.5 SW BIG ROCK [41.73, -90.90]

08/27/09 00:45 CST	0.50M	Flood (due to Heavy Rain)
08/31/09 23:59 CST	0	Source: River/Stream Gage

SCOTT COUNTY --- 15.1 NNW DIXON [41.95, -90.90], 5.3 ESE MC CAUSLAND [41.75, -90.30], 0.5 E PRINCETON [41.67, -90.34], 1.2 NW NEW LIBERTY [41.73, -90.90]

08/27/09 00:45 CST	0.50M	Flood (due to Heavy Rain)
08/31/09 23:59 CST	0	Source: River/Stream Gage

Heavy rains during the last week of August resulted in the Wapsipinicon River near De Witt going above the moderate flood stage level of 11.5 feet around 145 am on August 27. It proceeded to rise above the major flood stage level of 12.5 feet and crest around 13.14 feet around 130 am on August 29. After falling off for a while, it rose to a secondary crest around 12.94 feet around 4 pm August 31. It fell back below its moderate flood stage level around 8 am September 2.

LINN COUNTY --- 2.9 WNW COGGON [42.30, -91.58], 2.1 NE COGGON [42.30, -91.50], 2.3 SSE PALISADES KEPLER SP [41.89, -91.50], 2.2 WNW (CID) CEDAR RAPIDS AR [41.89, -91.76], 2.0 W TODDVILLE [42.10, -91.76]

08/27/09 07:24 CST	0.50M	Flash Flood (due to Heavy Rain)
08/27/09 22:00 CST	0	Source: Law Enforcement

Heavy rains of 5 to 9 inches resulted in flash flooding of much of Linn County on August 27. Several streets and county roads were closed due to the flood waters. Some areas particularly hard hit were Cedar Rapids, Bertram, Central City, and Coggon. Some vehicles were stranded in the flood waters. Several residences experienced flooding in their basements. Numerous streams and creeks flooded out of their banks. Trained spotters and broadcast media also contributed to this report.

CLINTON COUNTY --- 1.7 NW WELTON [41.92, -90.62], 2.6 NE CHARLOTTE [42.00, -90.45], 1.4 S MALONE [41.80, -90.45], 2.9 ESE GRAND MOUND [41.80, -90.62]

08/27/09 08:15 CST	0.50M	Flash Flood (due to Heavy Rain)
08/27/09 22:00 CST	0	Source: Emergency Manager

Heavy rains of 3 to 6 inches resulted in some flash flooding across much of Clinton County on August 27. Some areas particularly hard hit were De Witt, Welton, and Charlotte. Several residences experienced flooded basements. Two large trees fell over due to erosion from running water in De Witt. Street flooding was also common across the area. Old Highway 61 had water over it in the Welton area. Some residences in Charlotte had to be evacuated due to the rising flood waters. An off-duty NWS employee also contributed to this report.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BENTON COUNTY --- 5.0 NW GARRISON [42.20, -92.22], 3.6 E SHELLSBURG [42.10, -91.80], 3.5 N BLAIRSTOWN [41.95, -92.10], 3.6 SSW KEYSTONE [41.95, -92.22]				
	08/27/09 08:50 CST		0.25M	Flash Flood (due to Heavy Rain)
	08/27/09 19:00 CST		0	Source: Trained Spotter
Heavy rains of 3 to 8 inches resulted in some flash flooding across parts of Benton County on August 27. Some areas particularly hard hit were Keystone, Van Horne, Garrison, and Shellsburg. Prairie Creek experienced unprecedented flooding. It flooded an entire pasture and filled some ditches along Highway 30. Mud Creek also flooded out of its banks. Much of the area experienced standing water and some residences reported flooded basements. Several roads around Shellsburg were closed due to the flood waters flowing over roadways.				
JONES COUNTY --- 9.5 WNW MONTICELLO [42.30, -91.36], 6.0 NW TEMPLE HILL [42.30, -91.05], 2.3 NNE HALE [42.05, -91.05], 1.5 SSE LERCHS ARPT [42.05, -91.36]				
	08/27/09 13:36 CST		0.50M	Flash Flood (due to Heavy Rain)
	08/27/09 21:00 CST		0	Source: Law Enforcement
Heavy rains resulted in flash flooding across parts of Jones County on August 27. Some areas particularly hard hit were Anamosa, Monticello, and Center Junction. Several roads were closed due to the flood waters. Highway 151 was closed between Anamosa and Monticello due to flooding of Kitty Creek. Buffalo Creek flooded out of its banks flooding low lying areas. Bear Creek flooded 140th Avenue and Madison Road near Center Junction. The flood waters were 1.5 feet deep.				
JOHNSON COUNTY --- 1.7 NW SOLON [41.82, -91.52], 2.1 NE SOLON [41.82, -91.47], 1.7 ESE SOLON [41.79, -91.47], 1.2 SW SOLON [41.79, -91.52]				
	08/27/09 17:54 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/27/09 22:00 CST		0	Source: Trained Spotter
Heavy rains resulted in flash flooding in Solon, IA along Mill Creek during the evening of August 27.				
WASHINGTON COUNTY --- 1.4 N RIVERSIDE [41.50, -91.60], 3.9 ENE RIVERSIDE [41.50, -91.53], 3.9 ESE RIVERSIDE [41.46, -91.53], 1.4 S RIVERSIDE [41.46, -91.60]				
	08/27/09 17:56 CST		0	Flash Flood (due to Heavy Rain)
	08/27/09 23:00 CST		0	Source: Trained Spotter
Heavy rains resulted in considerable standing water in the Riverside, IA area during the evening of August 27. The flood waters were close to over-topping area roads around 7 pm.				
MUSCATINE COUNTY --- 2.1 NW STOCKTON [41.60, -90.90], 3.9 ENE STOCKTON [41.60, -90.80], 3.7 E STOCKTON [41.57, -90.80], 1.7 WSW STOCKTON [41.57, -90.90]				
	08/27/09 18:30 CST		0	Flash Flood (due to Heavy Rain)
	08/27/09 20:30 CST		0	Source: NWS Employee
Heavy rains resulted in flash flooding along Mud Creek near Stockton, IA during the evening of August 27.				
SCOTT COUNTY --- 1.7 ESE NEW LIBERTY [41.71, -90.85], 1.2 SE MAYSVILLE STENDER AR [41.66, -90.71], 1.7 SE MAYSVILLE [41.63, -90.71], 2.7 WNW PLAINVIEW [41.68, -90.85]				
	08/27/09 18:30 CST		0	Flash Flood (due to Heavy Rain)
	08/27/09 21:00 CST		0	Source: NWS Employee
Heavy rains resulted in flash flooding of Hickory and Mud Creeks along Highway 130 near Plainview, IA during the evening of August 27. Agricultural fields were flooded.				
Cloudy skies along with scattered showers and thunderstorms continued across much of the area August 27. While most locations saw rainfall amounts ranging from a few tenths of an inch up to 2 to 3 inches, a heavier band of rain fell from Cedar Rapids to Dubuque. Amounts in this area ranged from 3 to 6 inches, causing many area roads to be closed during the afternoon and evening due to flash flooding.				
IOWA COUNTY --- 5.9 WNW KOSZTA [41.86, -92.30], 3.5 NE EAST AMANA [41.86, -91.83], 2.4 SE HOMESTEAD [41.75, -91.83], 1.4 N VICTOR [41.75, -92.30]				
	08/27/09 08:30 CST		0.50M	Flood (due to Heavy Rain)
	08/31/09 09:30 CST		0	Source: River/Stream Gage
Heavy rains during the last week of August resulted in the Iowa River at Marengo going above the moderate flood stage level of 15.5 feet on August 27th around 930 am. It crested around 16.87 feet around 630 am August 28. After falling off for a while, it rose to a secondary crest around 16.79 feet around 630 am August 30. It finally fell back below the moderate flood stage level around 1030 am August 31.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WASHINGTON COUNTY --- 6.7 WNW WELLMAN [41.51, -91.95], 5.1 ENE RIVERSIDE [41.51, -91.51], 5.9 ESE RIVERSIDE [41.46, -91.49], 6.1 W WELLMAN [41.46, -91.95]				
	08/27/09 10:30 CST		0.50M	Flood (due to Heavy Rain)
	08/30/09 14:00 CST		0	Source: River/Stream Gage
Heavy rains during the last week of August resulted in the English River at Kalona going above the moderate flood stage level of 16 feet on August 27 around 1130 am. It crested around 16.82 feet around 1130 pm on August 27. After falling off for a while, it rose to a secondary and higher crest around 17.81 feet around 3 pm on August 29. It finally fell back below the moderate flood stage level around 3 pm August 30.				
JONES COUNTY --- 4.2 N STONE CITY [42.18, -91.36], 2.6 NE OXFORD MILLS [42.00, -90.90], 2.3 SE OXFORD MILLS [41.95, -90.90], 4.2 SSE OLIN [41.95, -91.09], 1.4 NNE LERCHS ARPT [42.09, -91.36]				
	08/27/09 15:00 CST		0.50M	Flood (due to Heavy Rain)
	08/28/09 16:00 CST		0	Source: River/Stream Gage
Heavy rains during the last week of August resulted in the Wapsipinicon River at Anamosa going above the moderate flood stage level of 15.5 feet around 4 pm on August 27. It crested around 18.08 feet around 930 pm on August 27. It fell back below its moderate flood stage level around 5 pm August 28.				
KEOKUK COUNTY --- 1.7 SSW COAL CREEK [41.41, -92.41], 2.9 NNE KEOTA [41.41, -91.95], 3.1 ENE RICHLAND [41.20, -91.95], 5.2 WNW HEDRICK [41.20, -92.41]				
	08/27/09 16:00 CST		0.50M	Flood (due to Heavy Rain)
	08/29/09 13:30 CST		0	Source: River/Stream Gage
Heavy rains during the last week of August resulted in the North Skunk River at Sigourney going above the moderate flood stage level of 18 feet on August 27 around 5 pm. It crested around 20.53 feet around 1245 pm August 28. It fell below the moderate flood stage level around 230 pm on August 29.				
DES MOINES COUNTY --- 6.4 WSW DANVILLE WILSON ARPT [40.81, -91.43], 3.2 SSW DANVILLE WILSON ARPT [40.81, -91.35], 2.5 ESE SPRING GROVE [40.71, -91.11], 5.3 SSE SPRING GROVE [40.66, -91.11]				
	08/28/09 00:30 CST		0.25M	Flood (due to Heavy Rain)
	08/31/09 23:45 CST		0	Source: River/Stream Gage
LEE COUNTY --- 5.5 ENE ST PAUL [40.81, -91.43], 5.6 N DENMARK [40.81, -91.35], 6.3 E WEVER [40.71, -91.11], 7.5 ESE WEVER [40.66, -91.11]				
	08/28/09 00:30 CST		0.25M	Flood (due to Heavy Rain)
	08/31/09 23:45 CST		0	Source: River/Stream Gage
Heavy rains during the last week of August resulted in the Skunk River at Augusta going above the moderate flood stage level of 17 feet around 130 am on August 28. It crested around 17.89 feet around 12 pm on August 28. After falling off for a while, it rose to a secondary and higher crest of 18.59 feet around 830 pm August 29. It fell back below the moderate flood stage level around 1245 am on September 1.				
LOUISA COUNTY --- 4.1 NNW GLADWIN [41.42, -91.48], 4.5 NE GLADWIN [41.42, -91.40], 3.7 E TOOLESBORO [41.16, -91.00], 3.3 SE OAKVILLE [41.07, -91.00], 1.3 WSW NEWPORT [41.07, -91.20], 0.7 W COTTER [41.30, -91.48]				
	08/29/09 04:30 CST		0.50M	Flood (due to Heavy Rain)
	08/31/09 23:59 CST		0	Source: River/Stream Gage
Heavy rains during the last week of August resulted in the Iowa River at Wapello going above the moderate flood stage level of 22 feet on August 29 around 530 am. It crested around 23.37 feet around 1245 am August 31. It fell below the moderate flood stage level around 430 am September 1.				
The Iowa River at Columbus Junction also rose above its moderate flood stage level of 22 feet on August 30 around 12 pm. It crested around 22.22 feet around 2 pm August 30. It fell below the moderate flood stage level around 1130 pm August 30.				
MUSCATINE COUNTY --- 5.2 WNW WEST LIBERTY [41.60, -91.37], 1.7 NE WILTON [41.60, -91.00], 3.8 SSW CRANSTON [41.33, -91.30], 3.6 SSW CONESVILLE [41.33, -91.37]				
	08/29/09 16:00 CST		0.50M	Flood (due to Heavy Rain)
	08/30/09 20:00 CST		0	Source: River/Stream Gage
Heavy rains during the last week of August resulted in the Cedar River near Conesville, IA going above the moderate flood stage level of 15 feet on August 29 around 5 pm. It crested around 15.4 feet around 415 am August 30. It fell below the moderate flood stage level around 9 pm August 30.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MISSOURI, Northeast				
CLARK COUNTY --- KAHOKA [40.42, -91.72]				
	08/04/09 05:25 CST	0		Hail (0.75 in)
	08/04/09 05:25 CST	0		Source: Public
Dime-sized hail fell in Kahoka, MO around 625 am August 4. This report was relayed by KMEM Radio.				
Dime-sized hail fell in Kahoka, MO around 625 am August 4.				
CLARK COUNTY --- 1.5 SSE WINCHESTER [40.30, -91.61], 2.5 WNW GREGORY LNDG [40.30, -91.54], 2.1 SSW GREGORY LNDG [40.25, -91.51], 3.0 ESE ST PATRICK [40.25, -91.58]				
	08/17/09 04:00 CST	0		Flash Flood (due to Heavy Rain)
	08/17/09 06:05 CST	0		Source: Law Enforcement
Heavy rains resulted in the flash flooding of Highway 61/27 about 3 miles southwest of Gregory Landing, MO during the predawn hours of August 17. The flood waters were flowing across the highway near the county line for a time. Officers reported that the water had receded by 705 am.				
Heavy rains resulted in the flash flooding of Highway 61/27 about 3 miles southwest of Gregory Landing, MO during the predawn hours of August 17. The flood waters were flowing across the highway near the county line for a time. Officers reported that the water had receded by 705 am.				
CLARK COUNTY --- 3.9 WNW ANSON [40.61, -91.83], 2.8 NNW ATHENS [40.61, -91.73], 0.4 N ST PATRICK [40.27, -91.63], 4.3 SSW ANTIOCH [40.27, -91.74]				
	08/27/09 16:50 CST	0		Flash Flood (due to Heavy Rain)
	08/27/09 20:00 CST	0		Source: Trained Spotter
Heavy rains resulted in flash flooding in parts of Clark County during the late afternoon and evening of August 27. The flood waters washed gavel 3 inches deep onto Highway 81 about 1.5 miles north of the Fox River Bridge or about 4 miles north northwest of Kahoka, MO just before 6 pm.				
Cloudy skies along with scattered showers and thunderstorms continued across much of the area August 27. Heavy rains resulted in flash flooding in parts of northeast Missouri.				